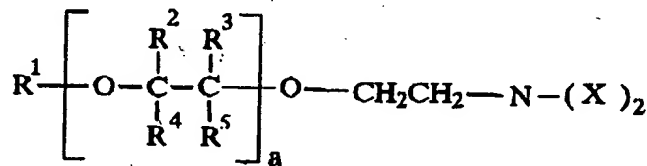
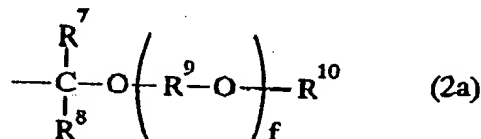


--13. (Amended) A gasoline additive for a direct injection gasoline engine which

$\beta^1$  comprises a nitrogen-containing compound represented by the formula:



wherein  $R^1$  is hydrogen,  $R^2$ ,  $R^3$ ,  $R^4$  and  $R^5$  are each independently selected from the group consisting of hydrogen, a  $C_1 - C_{16}$  hydrocarbon group and a group of the formula (2a) below,  $a$  is an integer from 1 to 200 and  $X$  is a group selected from Group B below, said formula (2a) being



wherein  $R^7$  and  $R^8$  are each independently selected from the group consisting of hydrogen, a  $C_1 - C_{10}$  hydrocarbon group and a  $C_2 - C_{10}$  alkoxyalkyl group,  $R^9$  is a  $C_2 - C_6$  alkylene group or a  $C_4 - C_{10}$  alkylene group having an alkoxyalkyl substituent,  $R^{10}$  is hydrogen or a  $C_1 - C_{30}$  hydrocarbon group, and  $f$  is an integer from 0 to 50; said Group B being constituted by

(B1) hydrogen,

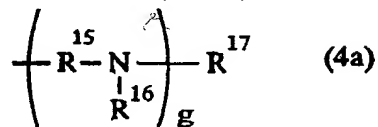
(B2) a  $C_1 - C_{30}$  hydrocarbon group,

B1  
Cont.  
(B3) an alkanol group represented by the formula



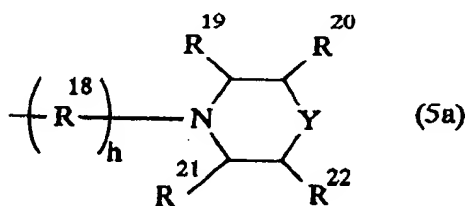
wherein  $R^{14}$  is a  $C_1 - C_6$  alkylene group,

(B4) a nitrogen-containing group represented by the formula



wherein  $R^{15}$  is a  $C_2 - C_6$  alkylene group,  $R^{16}$  is selected from the group consisting of hydrogen, a  $C_1 - C_4$  alkyl group, and a group of the formula (3a),  $R^{17}$  is selected from the group consisting of hydrogen, a  $C_1 - C_{30}$  hydrocarbon group and a group of the formula (3a), and  $g$  is an integer from 1 to 5, and

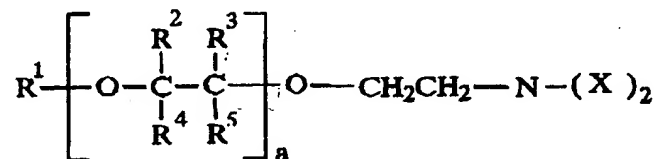
(B5) a group represented by the formula



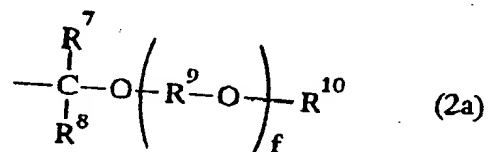
wherein  $R^{18}$  is a  $C_2 - C_6$  alkylene group,  $R^{19}$ ,  $R^{20}$ ,  $R^{21}$ , and  $R^{22}$  are each independently selected from the group consisting of hydrogen, a  $C_1 - C_{10}$  hydrocarbon group and a hydroxyl group,  $Y$  is selected from the group consisting of a methylene group and a methylene group substituted by either a  $C_1 - C_{10}$  hydrocarbon group, a hydroxyl group, an imino group, an imino group substituted by a  $C_1 - C_{10}$  hydrocarbon group or a hydroxy group, or oxygen, and  $h$  is equal to 0 or 1.

B2 17. (Amended) A gasoline composition for use in a direct injection gasoline

engine, which composition comprises gasoline and a nitrogen-containing compound represented by the formula:



wherein  $R^1$  is hydrogen,  $R^2$ ,  $R^3$ ,  $R^4$  and  $R^5$  are each independently selected from the group consisting of hydrogen, a  $C_1 - C_{16}$  hydrocarbon group and a group of the formula (2a) below,  $a$  is an integer from 1 to 200 and  $X$  is a group selected from Group B below, said formula (2a) being



wherein  $R^7$  and  $R^8$  are each independently selected from the group consisting of hydrogen, a  $C_1 - C_{10}$  hydrocarbon group and a  $C_2 - C_{10}$  alkoxyalkyl group,  $R^9$  is a  $C_2 - C_6$  alkylene group or a  $C_4 - C_{10}$  alkylene group having an alkoxyalkyl substituent,  $R^{10}$  is hydrogen or a  $C_1 - C_{30}$  hydrocarbon group, and  $f$  is an integer from 0 to 50; said Group B being constituted by

(B1) hydrogen,

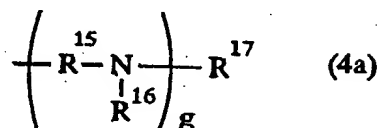
(B2) a  $C_1 - C_{30}$  hydrocarbon group,

(B3) an alkanol group represented by the formula



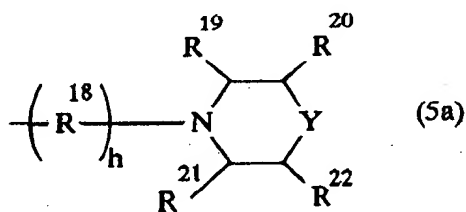
wherein  $R^{14}$  is a  $C_1 - C_6$  alkylene group,

(B4) a nitrogen-containing group represented by the formula



wherein  $R^{15}$  is a  $C_2 - C_6$  alkylene group,  $R^{16}$  is selected from the group consisting of hydrogen, a  $C_1 - C_4$  alkyl group, and a group of the formula (3a),  $R^{17}$  is selected from the group consisting of hydrogen, a  $C_1 - C_{30}$  hydrocarbon group and a group of the formula (3a), and  $g$  is an integer from 1 to 5, and

(B5) a group represented by the formula



wherein  $R^{18}$  is a  $C_2 - C_6$  alkylene group,  $R^{19}$ ,  $R^{20}$ ,  $R^{21}$ , and  $R^{22}$  are each independently selected from the group consisting of hydrogen, a  $C_1 - C_{10}$  hydrocarbon group and a hydroxyl group,  $Y$  is selected from the group consisting of a methylene group and a methylene group substituted by either a  $C_1 - C_{10}$  hydrocarbon group, a hydroxyl group, an imino group, an imino group substituted by a  $C_1 - C_{10}$  hydrocarbon group or a hydroxy group, or oxygen, and  $h$  is equal to 0 or 1.--